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AMENDMENTS TO THE CLAIMS

Only claim 28 is changed in this amendment paper. Its amendment is explained in the Remarks. Pending claim are claims 1-10 and 21-40, while claims 11-20 were canceled. The entire text of claim 28 follows:

28. (twice amended) A method for electroseismic prospecting of a subterranean formation, said method comprising:

- (a) selecting a source waveform and corresponding reference waveform, said two waveforms being selected to reduce amplitudes of side lobes produced by correlating said source waveform with said reference waveform;
- (b) obtaining recorded seismic signals resulting from generation of said source waveform into an electrical signal and transmitting it into said subterranean formation;
- (c) correlating said recorded seismic signals with said reference waveform to produce a correlated seismic record; and
- (d) creating an image of the subterranean formation from the correlated seismic record.